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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): HIRABAYASHI, et al.  
Serial No.: 09/941,769  
Filed: August 30, 2001  
For: DNA ANALYSIS SYSTEM  
Group: 1634  
Examiner: A. Chakrabarti

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AMENDMENT

Commissioner for Patents  
Washington, D.C. 20231

January 17, 2003

Sir:

The following amendments and remarks are respectfully submitted in connection with the above-identified application in response to the office Action dated October 17, 2002.

IN THE CLAIMS

Please amend claims 1-4 and 8-12 as follows:

1. (amended) A DNA analysis system for analyzing DNA polymorphism, comprising:

ionization means for generating plural kinds of multiply-charged ions of a test DNA fragment, where each of the multiply-charged ions has five or more charges;

mass spectrometric means for performing a mass spectrometry on the multiply-charged ions formed by the ionization means so as to measure a mass spectrum of the test DNA fragment;

analyzing-result prediction means that predicts possible mass spectrum